

FIG. 1

PRIOR ART

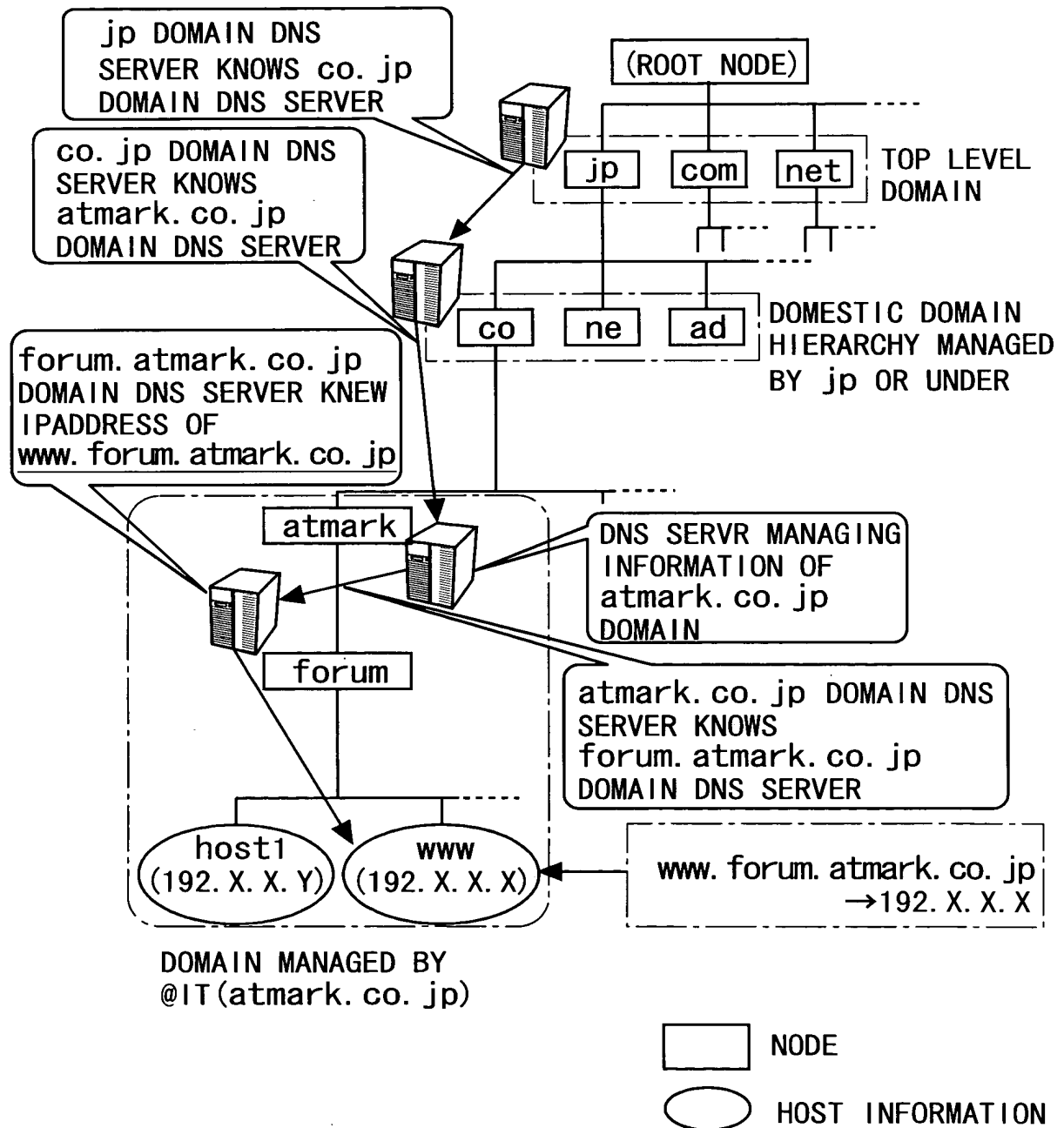


FIG. 2A
PRIOR ART

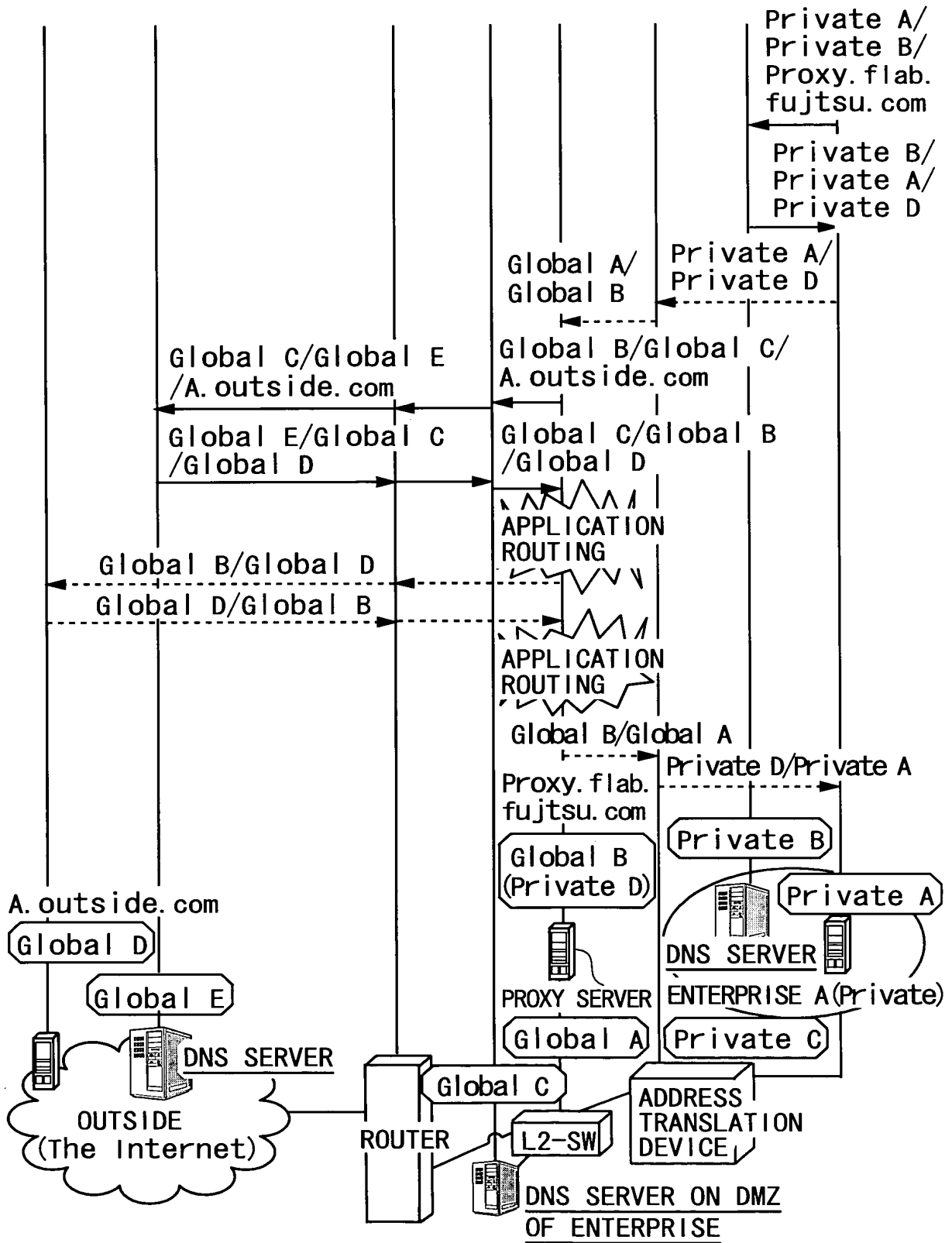


FIG. 2B

PRIOR ART

NOTATION	IP ADDRESS
	IP ADDRESS: PORT
	DNS FLOW:CONTENT OF SRC address/DST address/Query or Response OF PACKET ←
	DATA FLOW:SRC address/DST address OF PACKET ◀-----

FIG. 3A

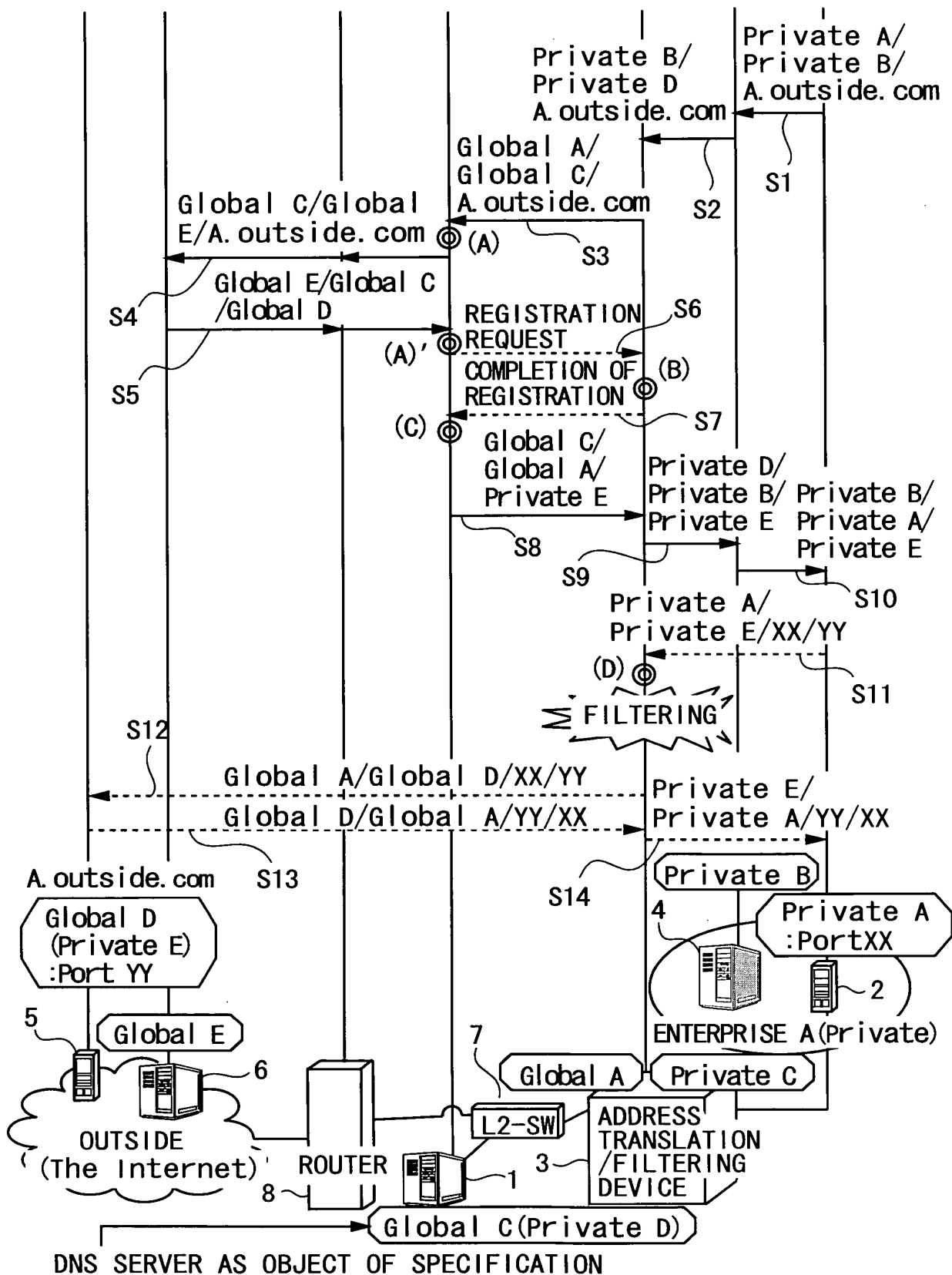


FIG. 3B





NOTATION		
		
	DNS FLOW:CONTENT OF SRC address/DST address/Query or Response OF PACKET	
	DATA FLOW:SRC address/DST address /SRC Port/Dst Port OF PACKET	

FIG. 4

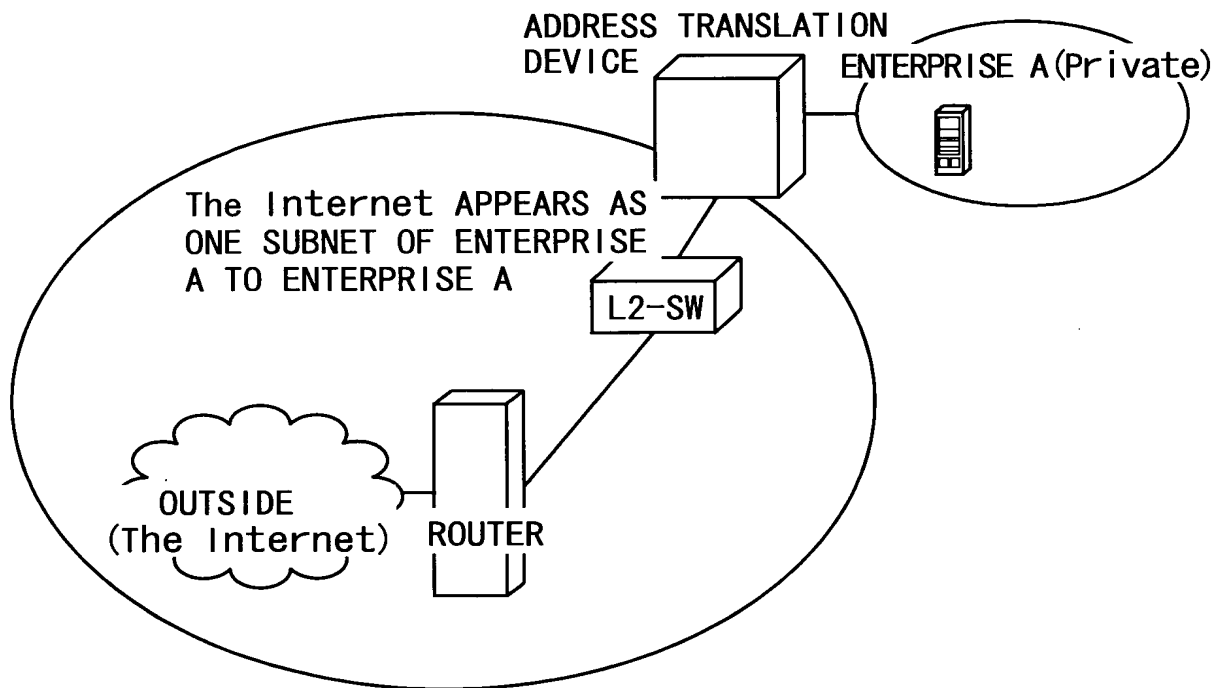


FIG. 5

<p>QUERIER OF NAME RESOLUTION REQUEST</p> <p>TERMINAL LOCATION WITH NAME TO BE RESOLVED</p>	<p>PRIVATE IP ADDRESS NETWORK</p>	<p>GLOBAL IP ADDRESS NETWORK</p>
PRIVATE IP ADDRESS NETWORK	(1) OPERATION AS DNS SERVER ON NORMAL PRIVATE IP ADDRESS NETWORK	(2) REJECTION OF NAME RESOLUTION REQUEST
GLOBAL IP ADDRESS NETWORK	(3) RESPONSE GIVEN AFTER JUDGING ABOUT CONNECTABILITY AND NON-CONNECTABILITY	(4) OPERATION AS DNS SERVER ON NORMAL GLOBAL IP ADDRESS NETWORK

FIG. 6

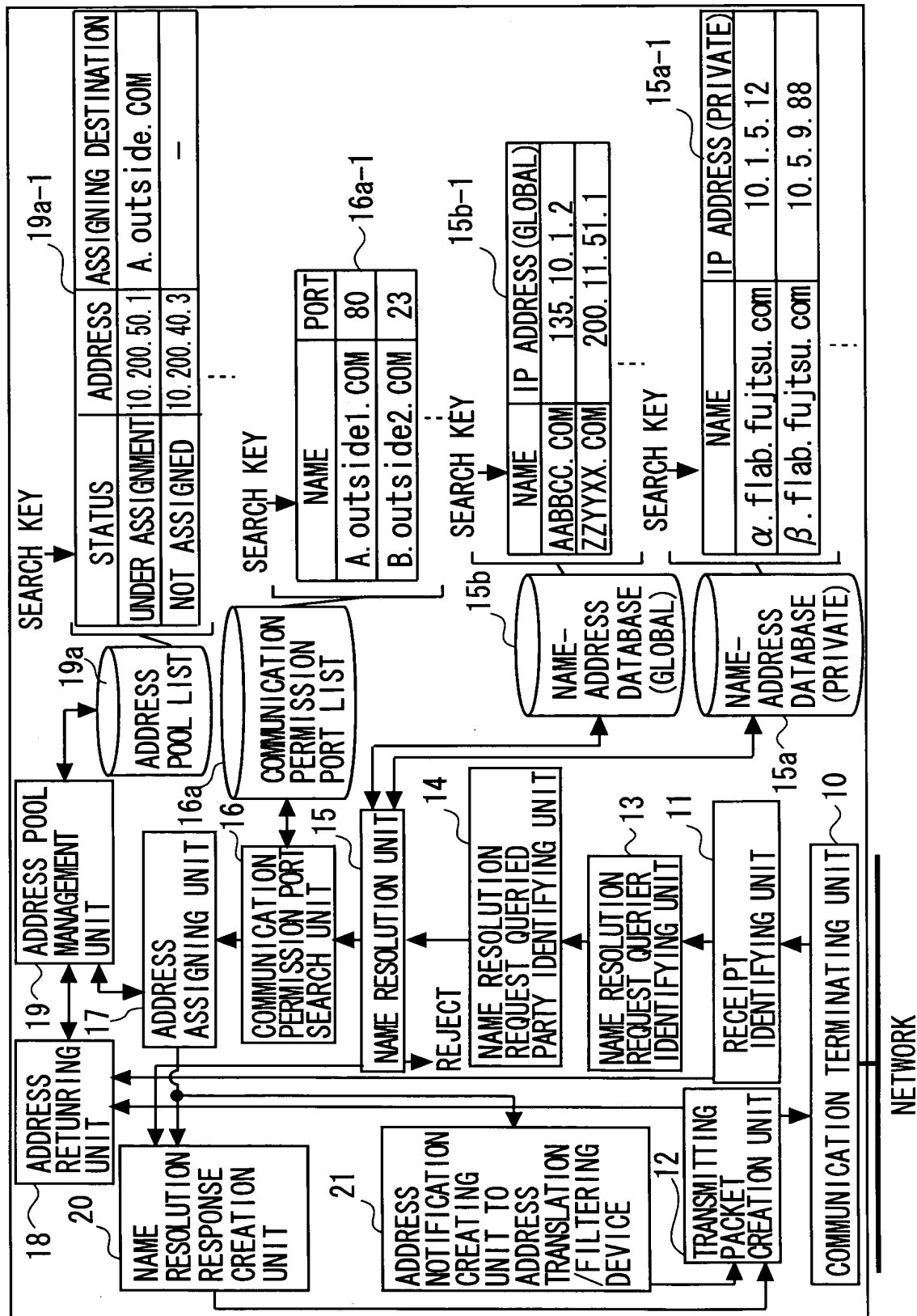


FIG. 7

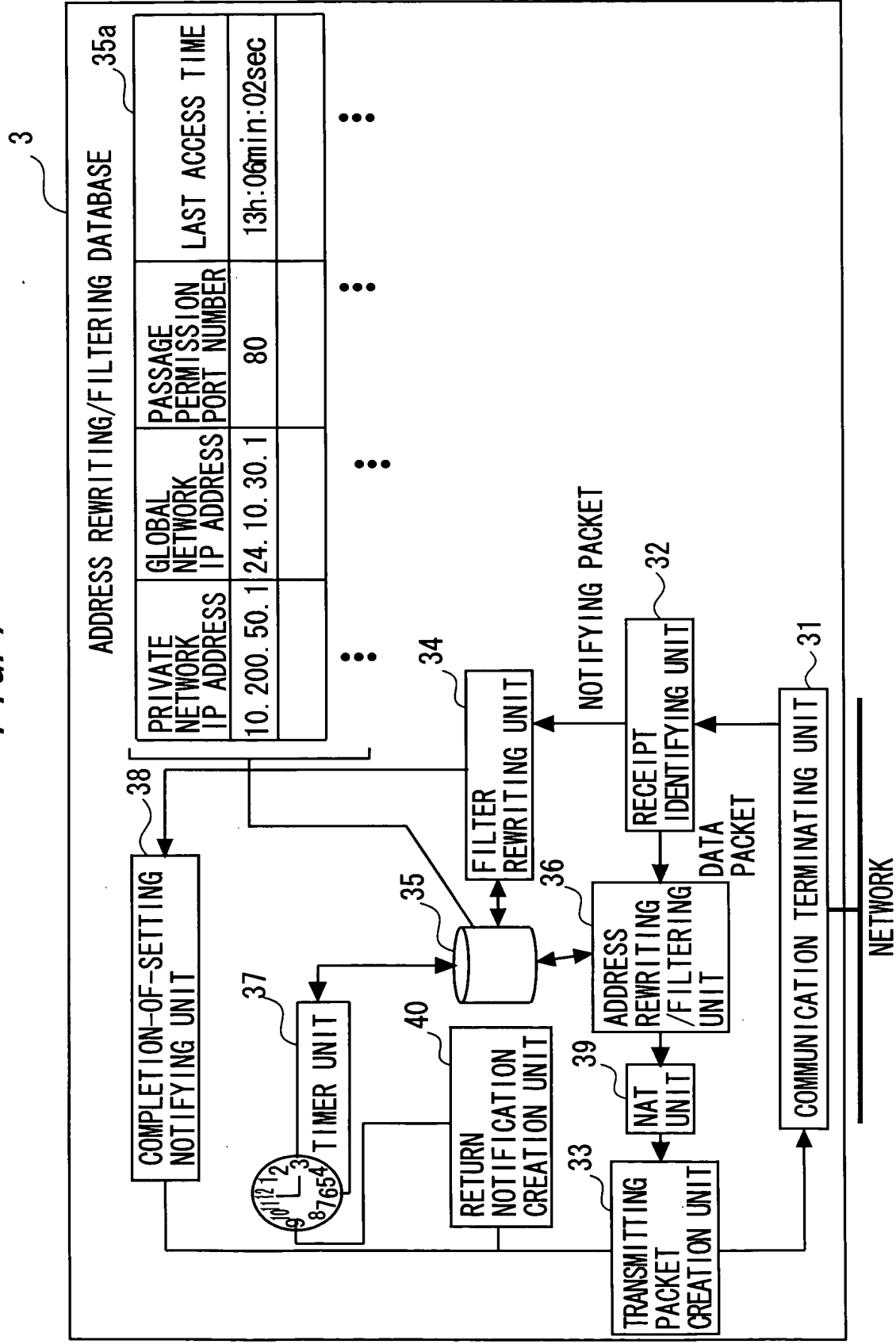


FIG. 8

Header Length																Header Length																	
63		56		55		48		47		40		39		32		31		24		23		16		15		8		7		0			
ver				TOS		Total Length										ID		Fragment															
MAC S. A [31:0]										Frame Type/Frame Length										ver				TOS									
TTL		Protocol		Checksum										SOURCE ADDRESS																			
DESTINATION ADDRESS										SOURCE PORT										DESTINATION PORT													

FIG. 9

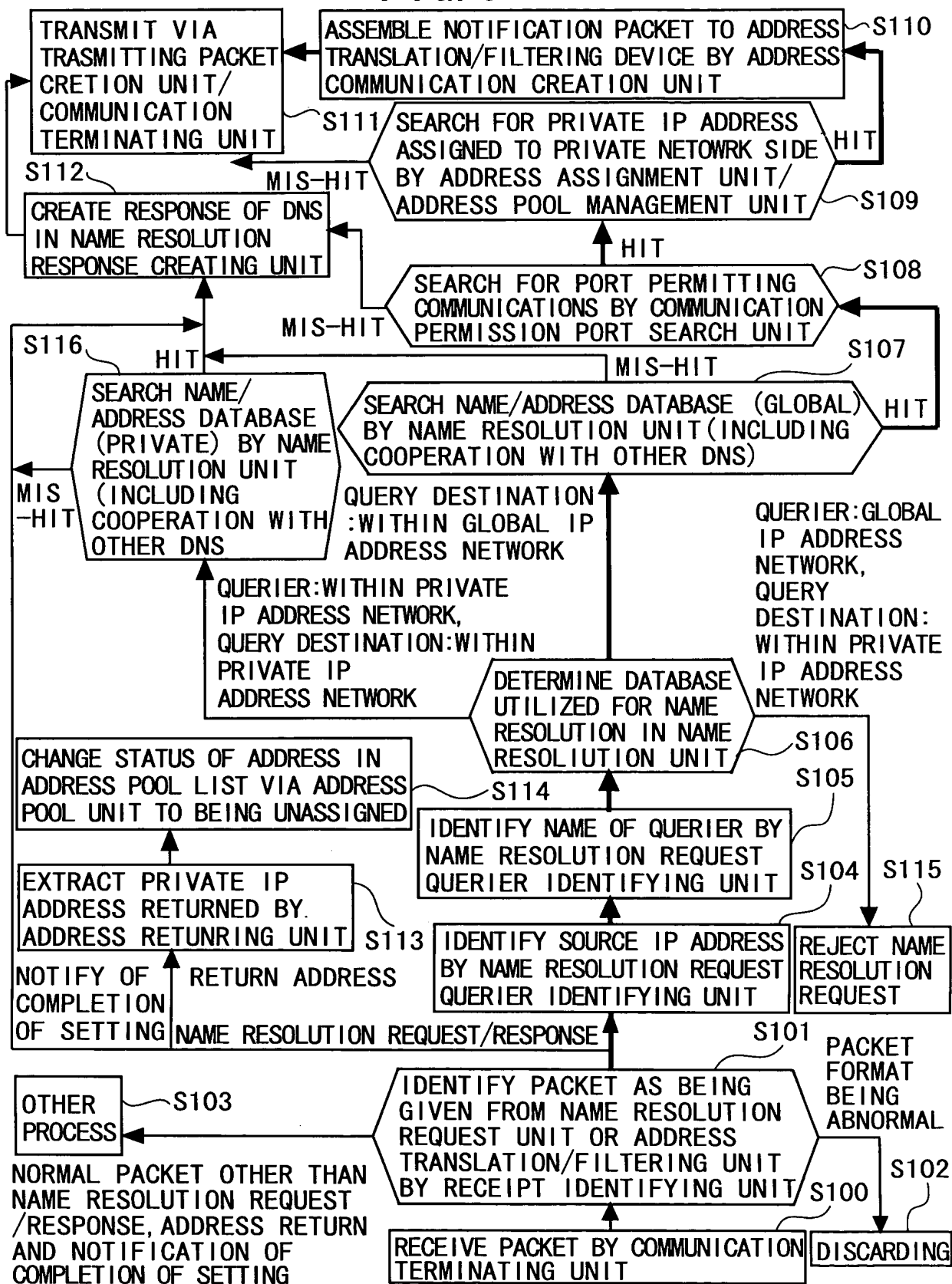


FIG. 10

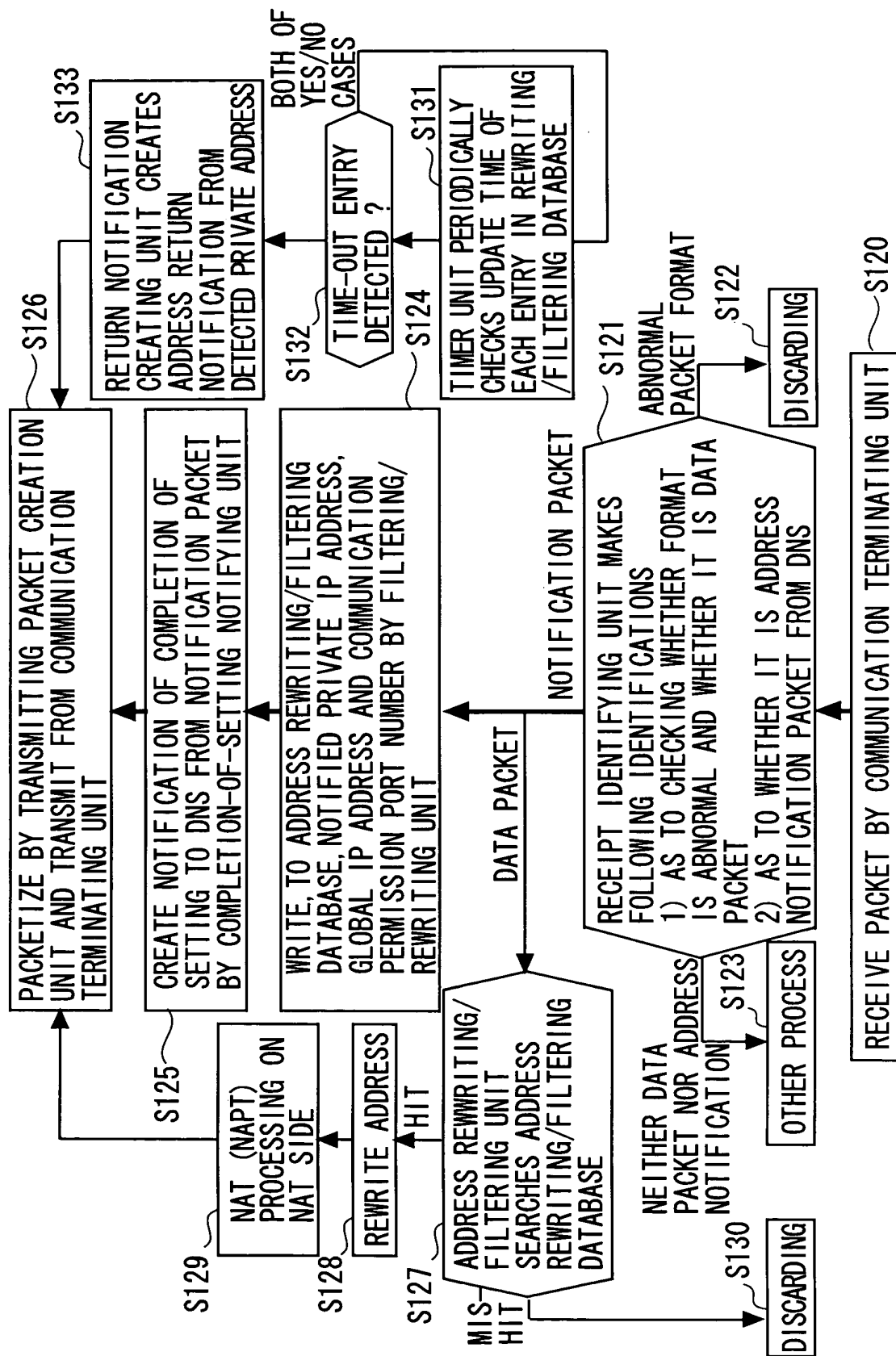


FIG. 11A

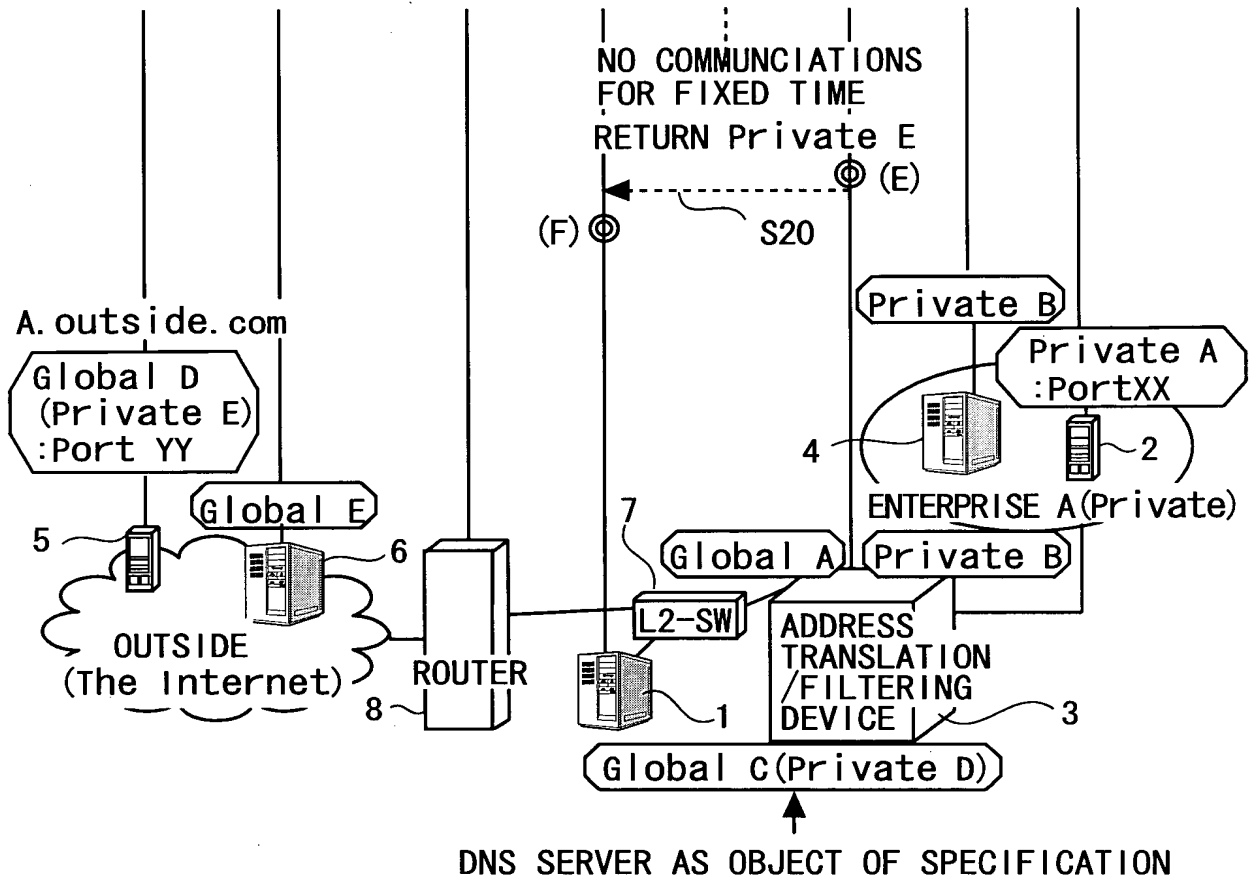


FIG. 11B

NOTATION	IP ADDRESS
	IP ADDRESS: PORT
	DATA FLOW: ◀-----

FIG. 12A

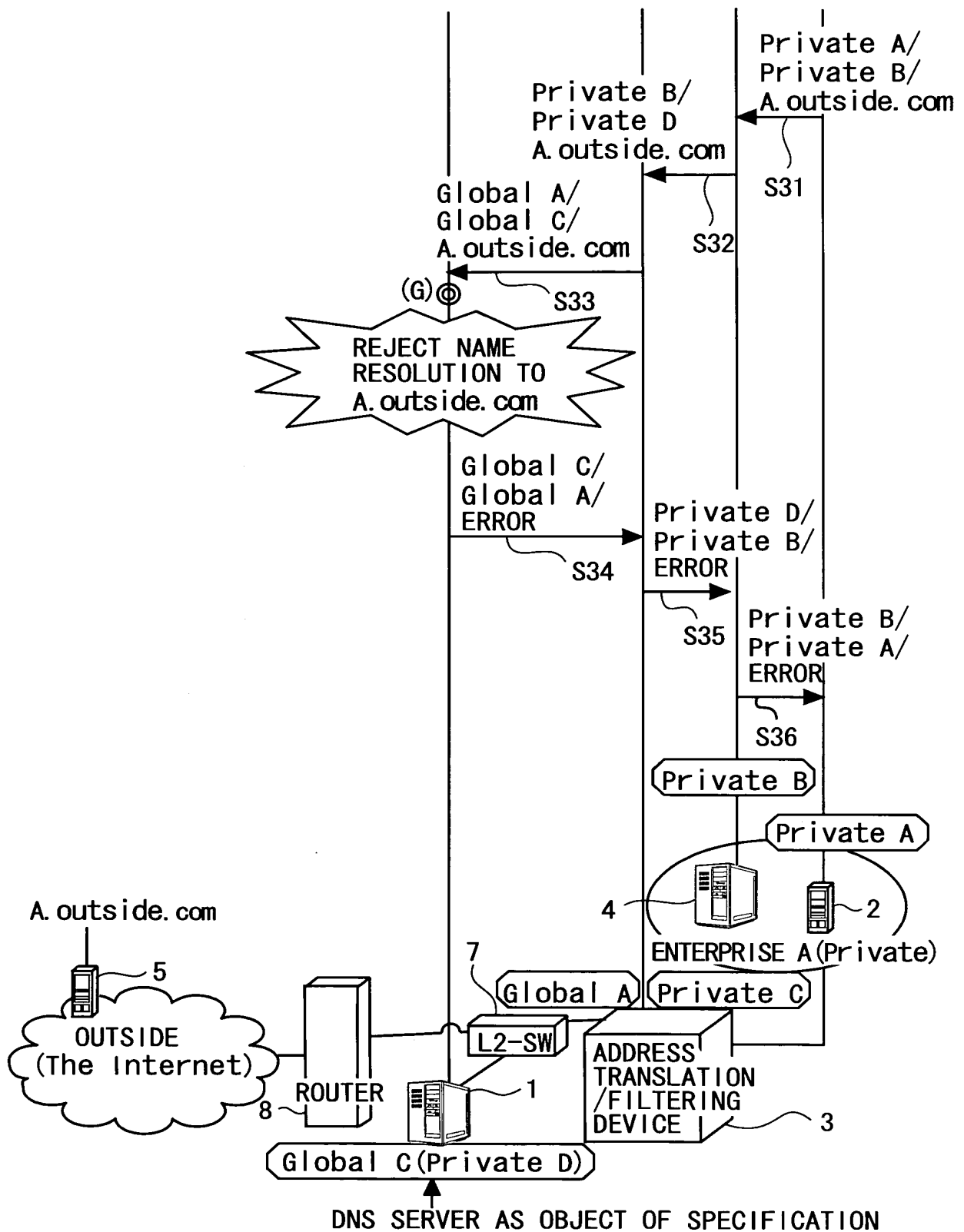


FIG. 12B

NOTATION	IP ADDRESS	
	DNS FLOW:CONTENT OF SRC address/DST address/Query or Response OF PACKET	←

FIG. 13A

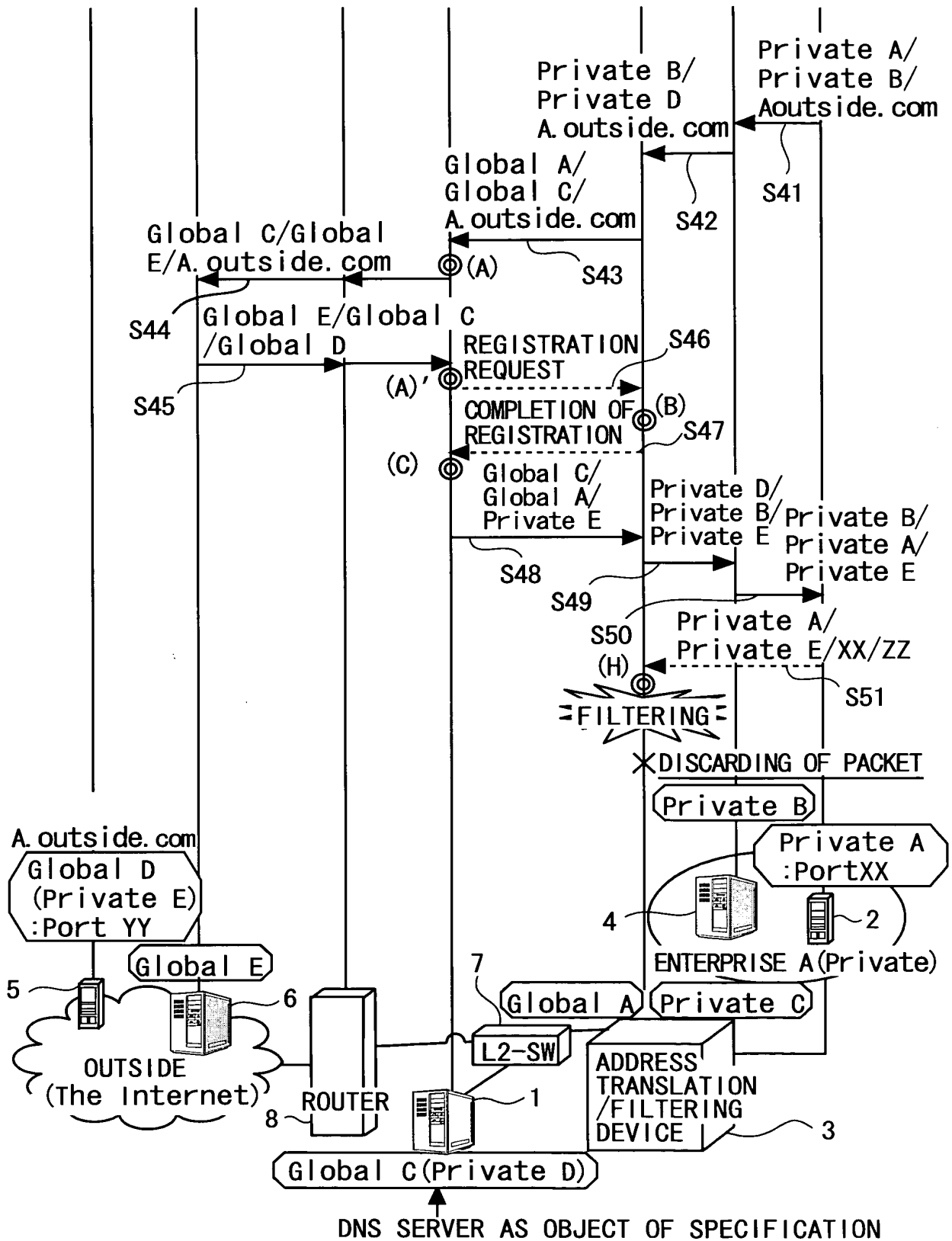


FIG. 13B





NOTATION	
	
	DNS FLOW:CONTENT OF SRC address/DST address/Query or Response OF PACKET 
	DATA FLOW:SRC address/DST address /SRC Port/Dst Port OF PACKET 

FIG. 14A

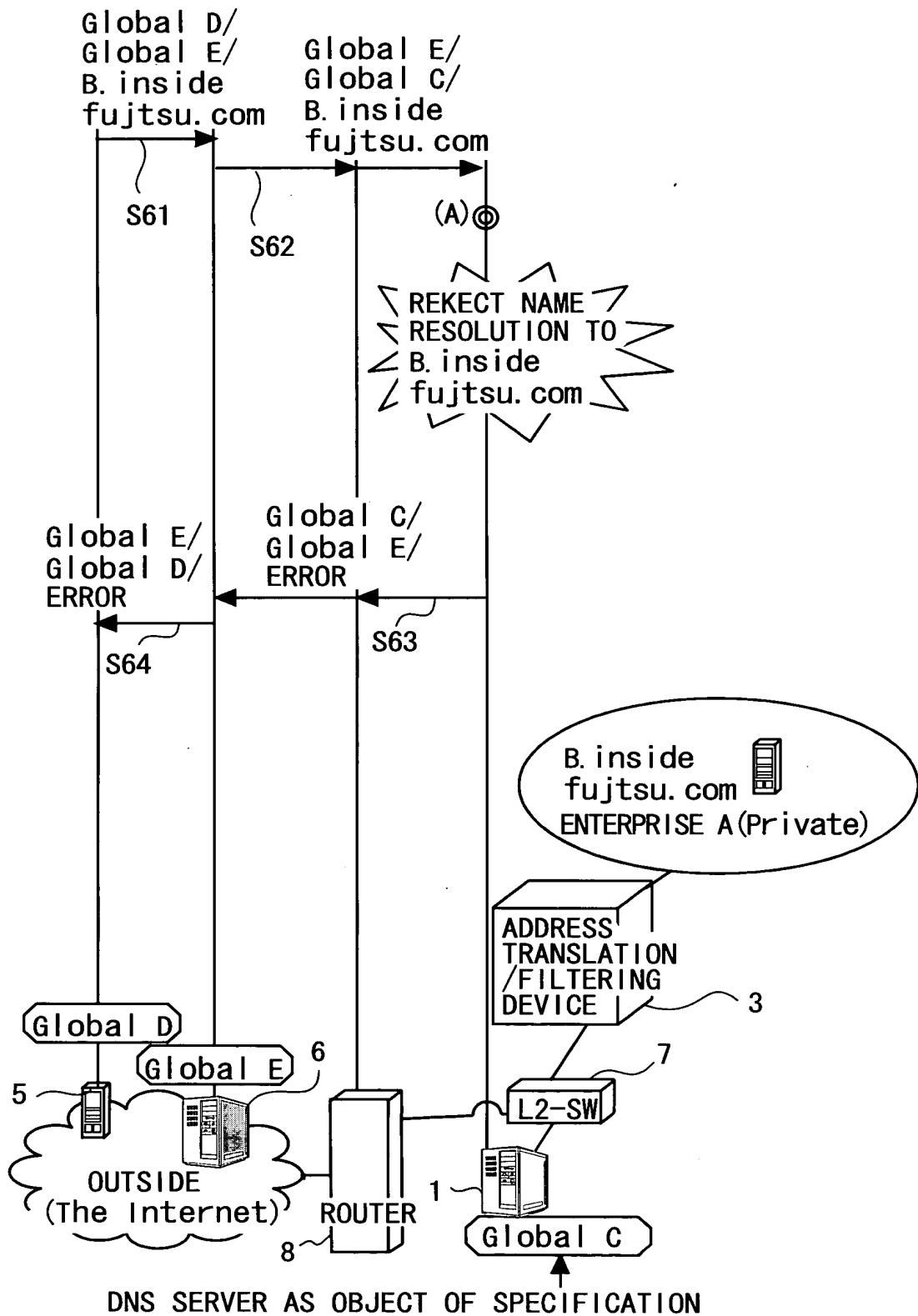


FIG. 14B

NOTATION	IP ADDRESS
	DNS FLOW:CONTENT OF SRC address/DST address/Query or Response OF PACKET ←

FIG. 15A

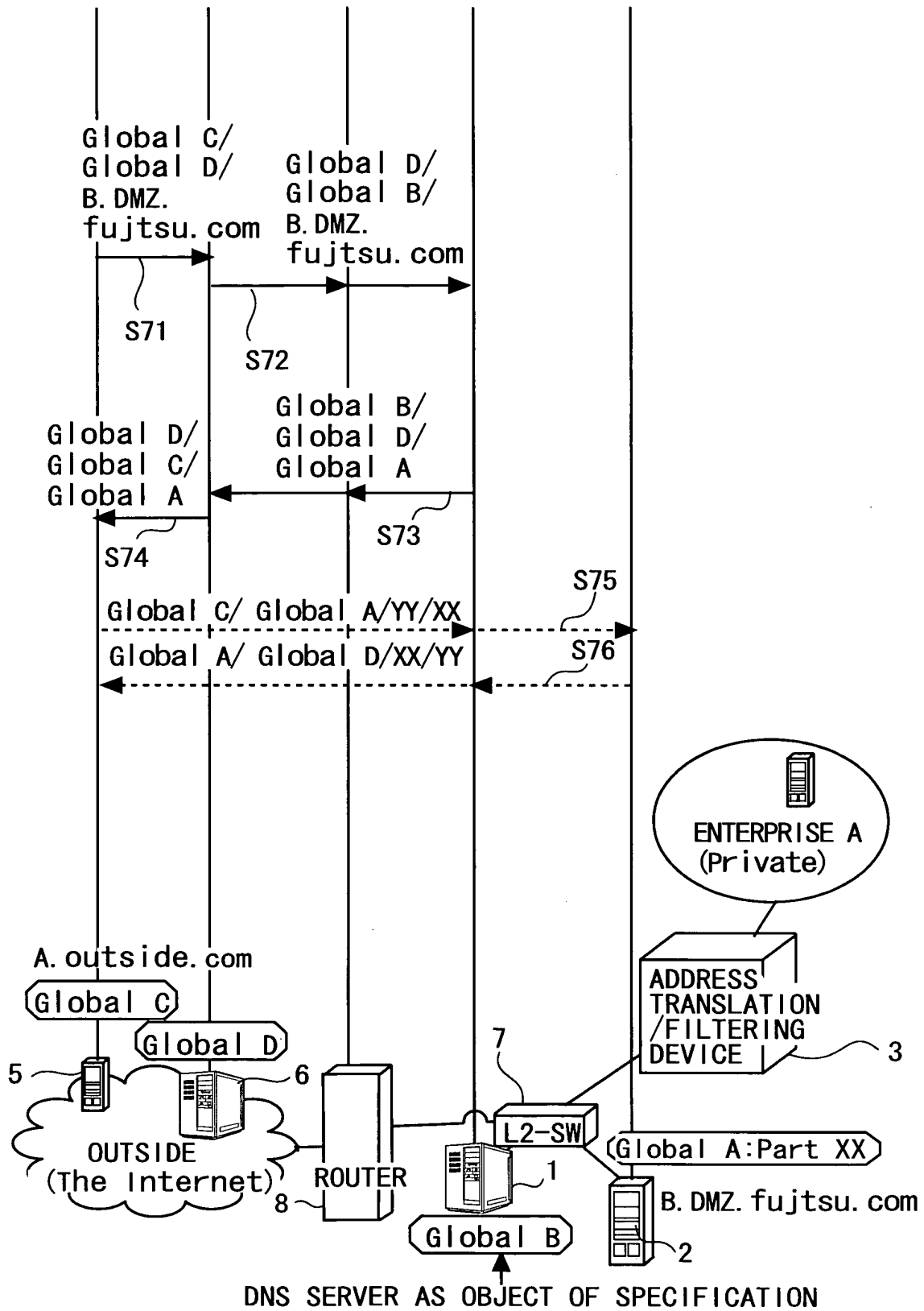





FIG. 15B

NOTATION		
		
	DNS FLOW:CONTENT OF SRC address/DST address/Query or Response OF PACKET	
	DATA FLOW:SRC address/DST address /SRC Port/Dst Port OF PACKET	